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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,110	07/08/2003	Ajit Mathews	CE11057JI210	9113
22917	7590	08/24/2007		
MOTOROLA, INC. 1303 EAST ALGONQUIN ROAD IL01/3RD SCHAUMBURG, IL 60196			EXAMINER LI, ZHUO H	
			ART UNIT 2185	PAPER NUMBER
			NOTIFICATION DATE 08/24/2007	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

Docketing.Schaumburg@motorola.com
APT099@motorola.com

Office Action Summary

Application No.

10/615,110

Applicant(s)

MATHEWS ET AL.

Examiner

Zhuo H. Li

Art Unit

2185

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 7/17/07.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

1. This Office action is in response to amendment filed 7/17/2007. Claims 1-16 are pending in the application.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Raymond et al. (US PAT. 6,108,697 hereinafter Raymond) in view of Sinclair et al. (WO 99/38066 hereinafter Sinclair) and Hasbun et al. (US PAT. 6,622,200).

Regarding claim 1, Raymond discloses a radio communication device (col. 5 lines 56-65, i.e., laptops, PDA or other mobile devices, figure 1) comprising a memory (216, figure 2), at least one pack that includes an image file that contains data (col. 7 lines 7-15, i.e., store downloaded disk image file 210 on a target disk 216), and a pack manager, including a pack loader (220, figure 2) and unloader (240, figure 2), is used for loading and unloading the at least one pack into and out of the memory (col. 8 lines 7-20 and col. 11 lines 6-18). Raymond differs from the claimed invention in not specifically teaching the pack manager loaded in the memory including a master pointer table and using the master pointer table for keeping track of the location of the at least one pack. However, Sinclair teaches a flash memory (18, figure 1) comprising a controller (16, figure 1) including a block address table, read as a master pointer table, loaded in the memory and using the block address table for keeping track of location of data (page 16 lines 5-16 and page 27 lines 10-29). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify Raymond in having the pack manager loaded in the memory including a master pointer table and using the master pointer table for keeping track of the location of the at least one pack, as per teaching of Sinclair, in order to provide efficient storage and retrieval of data (see Sinclair, page 2 lines 12-16). Furthermore, the combination of Raymond and Sinclair differs from the claimed invention in not specifically teaching the packs are located starting at a fixed location in a memory. However, it is old and notoriously well known in the computer art of locating an object starting at a fixed location, for example see Hasbun (col. 4 lines 30-38). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the combination of Raymond and Sinclair in having the packs being located starting at a fixed

Art Unit: 2185

location in a memory, as per teaching of Hasbun, in order to reliably reallocate the object when a processor is reset or power up.

Regarding claims 2-3, Sinclair teaches the at least one data block, i.e., the at least one pack, containing a header portion, information portion and data portion, wherein the header portion comprises an identifier (page 5, lines 18-31 and page 12 line 29 through page 13 line 12), and the identifier in the header portion is unique to each type of data block and help identify the data block (page 17 line 29 through page 18 line 18).

Regarding claims 4-5, Sinclair teaches the header portion including information on a size of the at least one pack and information on the version of that at least one pack (page 12 line 29 through page 13 line 6).

Regarding claims 6-7, Sinclair discloses the information portion including information regarding a size of data located in the data portion and a checksum which is used by the pack manager to check integrity of the data stored in the at least one pack (page 13 lines 7-12).

Regarding claims 8-9, Raymond teaches a verifier (246, figure 2), read as an error checker, that is used to check for errors in the data found in at least one pack, wherein a checksum found in the at least one pack is checked by the pack manager to determine if the at least one pack is valid or invalid when the at least one pack is loaded into the radio communication device (col. 11 lines 41-60).

Regarding claims 10-11, Raymond teaches the at least one pack being loaded into the radio communication device over the air (col. 5 lines 56-65, i.e., RF connection), which is obvious using tethered download.

Art Unit: 2185

Regarding claim 12, Raymond discloses the radio communication device to automatically request that a pack be reset if the pack manager determines that an invalid pack has been located (col. 11 lines 41-51).

Regarding claims 13-14, Sinclair discloses the memory comprising a non-volatile memory, i.e., flash memory (abstract).

Regarding claim 15, Hubis teaches a pointer to the fixed location being retrieved through a function call during power up initialization (col. 4 lines 30-38).

Regarding claim 16, Sinclair teaches the at least one pack being comprised of different data types, and each different data types pack having a unique identifier (page 17 line 29 through page 18 line 18).

Response to Arguments

4. Applicant's arguments with respect to claims 1-16 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after

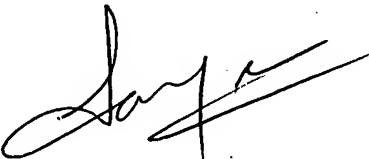
Art Unit: 2185


the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zhuo H. Li whose telephone number is (571) 272-4183. The examiner can normally be reached on Tue-Fri 8:30 AM-6:00 PM, and alternate Monday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sanjiv Shah can be reached on (571) 272-4098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


SANJIV SHAH
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Zhuo H. Li
Patent Examiner
Art Unit 2185